

Exhibit 3

CLUSTAL W(1.60) multiple sequence alignment

UserP:Human\_NEDD\_4  
UserP:Mouse\_NEDD\_4 HACISNPAPQASRAAAERVPPPLAARPCTPARSRSGPPPPQRRLLLLFLSPSLSVRSLSLSP  
UserP:GGGPB

UserP:Human\_NEDD\_4 SRFSSSSSTVACPGF GRARP -- -VCW  
UserP:Mouse\_NEDD\_4 LQPSRGASSSMSSDMAADESEAPVLEDEVWEFCLDKTEDGGSPGSDVTDTCEPPCGCW  
UserP:GGGPB MFLRLRWASSTTGSRYGS AFCGSP ---

UserP:Human\_NEDD\_4 KRS EMATCAEVFGLEIDEENSRI  
UserP:Mouse\_NEDD\_4 EINPNSLEEEHVLFADPYLELHN DDTRV  
UserP:GGGPB TLAWC'CVPV CYGES RI

UserP:Human\_NEDD\_4  
UserP:Mouse\_NEDD\_4  
UserP:GGGPB

UserP:Human\_NEDD\_4 LYPLPTENPRLERPYTFKDFVLHFRSHKSRVKGYLRLKMTYLPKTSGSEDDNAEQAEELE  
UserP:Mouse\_NEDD\_4 LYPLPTENPRMERPYTFKDFVLHFRSHKSRVKGYLRLKMTYLPKN GSEDENADQAEELE  
UserP:GGGPB LSHLPLTEDPTMFPYTFKDFLLRFRSHKSRVKFLRLKMAYMPKNGGQDEENSDQRDDME

UserP:Human\_NEDD\_4 PGWVVLQDPDAACHLQQQQEP QDNLT  
UserP:Mouse\_NEDD\_4 PGWVVLQDPDAATHLPHPEP DDDLT  
UserP:GGGPB HGWEVVDSDNSASQHQEEELPPP SLMDVSS

UserP:Human\_NEDD\_4 DAFN - - GNIQLQAQRAFTRRQISEETES VDNQESSENWEIIREDEATMYSSQAFPS  
UserP:Mouse\_NEDD\_4 DEDN - - DDMQLQAQRAFTRRQ1SEDVDG PDNRESPENWEIVKEDENTYEYSQQAVQS  
UserP:GGGPB ESDNNIRQINQEAAHRRFRSRRH1SEDLFPEPSEGGLVPEPWETISEEVNIAGDSLGVVL

UserP:Human\_NEDD\_4 PPP - - SSNLDVFTHLAEELNARLTIFGNNSAVSQPASSSN HSSR RGSLQAYTFFEEQP  
UserP:Mouse\_NEDD\_4 PP - - SGHIDVQTHLAEEFNTRLAVCGNPATSQPVTSN HSSR GGSLQTC1FFEEQP  
UserP:GGGPB PPPPASPGSRTSPQELSEELSRRIQITPDNSNGFQSSLIQPEPSSPLRSCSVTDAVAEQQ

UserP:Human\_NEDD\_4 TLP VLLPTS QATVETSQLTSSQ  
UserP:Mouse\_NEDD\_4 TLP VLLPTS Q  
UserP:GGGPB HLPPPSVAYVHTTPG IMQLAEDGASGSATN

UserP:Human\_NEDD\_4 SS AGPQSQA STSDS QQVQTQPS  
UserP:Mouse\_NEDD\_4 D  
UserP:GGGPB SNNHLIEPQIFRPRSLSSPTVTLXAPLEGAKDSPVRFAVDTLSNFQSPQPSPYNSPKPQ

UserP:Human\_NEDD\_4 EIEQ FIPAHLFQFTSLDTSNDL  
UserP:Mouse\_NEDD\_4 DPFSPFIPAHLFQFTD SNDL  
UserP:GGGPB HKVTQSF FLKFPVHMPSKTSLN PNDLGP

UserP:Human\_NEDD\_4  
UserP:Mouse\_NEDD\_4  
UserP:GGGPB

UserP:Human\_NEDD\_4 QNDIPNPFEMFLRRATVLEDSYRFIMGVFRADFLFARLWIFFDGEFGLDYGGVAFEWFFL  
UserP:Mouse\_NEDD\_4 QCDIPNPFEMFLRRANILEDSYRFIMGVFRADFLFARLWIFFDGEFGLDYGGVAFEWFFL  
UserP:GGGPB PAIIPNPFEMFLHRNNIPEESYRFIMSVFEPDVLFARLWIEFESEFGLDYGGVAFEWFFL

UserP:Human\_NEDD\_4 ISPEMFNPYYGLFEYSATDNYTLQINPNNSGLCNEIDHLSYFFFFIGPVAGMAYHGFLLDGF  
UserP:Mouse\_NEDD\_4 ISPEMFNPYYGLFEYSATDNYTLQINPNNSGLCNEIDHLSYFFFFIGPVAGMAYHGFLLDGF

UserP:ZGGBP-1 \*\*\*\*\*

UserP:Human\_NEDD-4 FIRPFYKMMILHKPITLHDMESVDSEYYNSLRWILENDPTELDLRFIIDEELFGQTHQHEL  
UserP:Mouse\_NEDD-4 FIRPFYKMMILQFLITLHDMESVDSEYYSSLRWILENDPTELDLRFIIDEELFGQTHQHEL  
UserP:ZGGBP-1 \*\*\*\*\*

UserP:Human\_NEDD-4 KNGGSEIVVTNENKKEYIYLVIQWRFVNRIQKQMAAFKEGFFELIPQDLIKIFDENEEL  
UserP:Mouse\_NEDD-4 KTGGSEIVVTNENKKEYIYLVIQWRFVNRIQKQMAAFKEGFFELIPQDLIKIFDENEEL  
UserP:ZGGBP-1 \*\*\*\*\*

UserP:Human\_NEDD-4 LMCGLGDDVDVNDWREHTK  
UserP:Mouse\_NEDD-4 LMCGLGDDVDVNDWREHTK  
UserP:ZGGBP-1 \*\*\*\*\*

UserP:Human\_NEDD-4  
UserP:Mouse\_NEDD-4  
UserP:ZGGBP-1 \*\*\*\*\*

UserP:Human\_NEDD-4  
UserP:Mouse\_NEDD-4  
UserP:ZGGBP-1 DX  
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Exhibit 3: Clustal W alignment of ZGGBP-1 to the human and mouse forms of NEDD-4. The functional domains identified using Hmm for ZGGBP-1 are shown in Red. The equivalent functional domains annotated in SwissProt for the human and mouse NEDD-4 are shown in green.